

## BRUSH FIELD PRESCRIPTION FOR BUREAU OF RECLAMATION LANDS OF THE AUBURN STATE RECREATION AREA

Implementation consists of removing or pruning brush, and other vegetative growth on the project area. All work will be accomplished by use of heavy equipment, masticator and/or hand crews supported by chippers and/or burning.

Due to operational needs tree canopies may need to be thinned, pruned or modified as part of the brush field fuel break prescription. This will only be done on a case by case basis after proper review by all involved agencies.

Threatened and endangered plant and animal species, such as elderberry and other sensitive species, shall not be removed or treated, or otherwise adversely affected.

Cultural resources are of a major concern in any area where they may exist. These resources will be protected.

### **Prescription:**

**Brush:** It is desirable to remove as much brush as possible within the brush field fuel break area. However, if individual plants or pairs of plants are desired to be left, leave plants with the following characteristics: young plants less than 5 feet tall and individual or pairs of plants that are no more than 5 feet wide. The distance between residual plants shall be 3 to 5 times the height of the residual plants. Three (3) times the height distance for slopes less than 30%, five (5) times for slopes equal to or greater than 30%.

The width of the brush field fuel break shall normally be 300 feet.

From a fuels hazard perspective the following are brush leave species in descending order:

### **Category 1**

Dogwood  
Redbud

### **Category 2**

Toyon  
Buckeye  
Coffeeberry  
Lemmon Ceanothus  
Buck brush (Wedge leaf ceanothus)

### **Category 3**

Whitethorn  
Deer brush  
Manzanita

Chamise  
Yerba Santa  
Poison Oak  
Scrub Oak

Non-native species (such as olive, fig, etc.) will be considered on a case by case basis.

**Wetlands:**

Wetlands and riparian areas will not be adversely affected for treatment and ground operations.

**Watercourse and Lake Protection Zone (WLPZ):**

To provide mitigation for riparian associated species and to reduce the potential risk of habitat fragmentation, the following will apply:

WLPZ widths and operational limitations shall be in conformance and consistent with Title 14, California Code of Regulations, 936.5, Procedures for Determining Watercourse and Lake Protection zone Widths, as approved by the California Board of Forestry.

916.5, 936.5, 956.5 Procedures for Determining Watercourse and Lake Protection Zone Widths and Protective Measures [All Districts]

TABLE I

Procedures for Determining Watercourse and Lake Protection Zone Widths and Protective Measures <sup>1</sup>								
Water Class Characteristics or Key Indicator Beneficial Use	1) Domestic supplies, including springs, on site and/or within 100 feet downstream of the operations area and/or  2) Fish always or seasonally present onsite includes habitat to sustain fish migration and spawning.		1) Fish always or seasonally present offsite within 1000 feet downstream and/or  2) Aquatic habitat for nonfish aquatic species.  3) Excludes Class III waters that are tributary to Class I waters.		No aquatic life present, watercourse showing evidence of being capable of sediment transport to Class I and II waters under normal high water flow conditions after completion of timber operations.		Man-made watercourses, usually downstream, established domestic, agricultural, hydroelectric supply or other beneficial use.	
Water Class	Class I		Class II		Class III		Class IV	
Slope Class (%)	Width Feet	Protection Measure	Width Feet	Protection Measure	Width Feet	Protection Measure	Width Feet	Protection Measure
					[see 916.4(c)] [see 936.4(c)] [see 956.4(c)]		[see 916.4(c)] [see 936.4(c)] [see 956.4(c)]	
<30	75	BDG	50	BEI	See CFH		See CFI	
30-50	100	BDG	75	BEI	See CFH		See CFI	
>50	150 <sup>2</sup>	ADG	100 <sup>3</sup>	BEI	See CFH		See CFI	
1 – See Section 916.5(e) for letter designations application to this table. 2 – Subtract 50 feet width for cable yarding operations. 3 – Subtract 25 feet width for cable yarding operations.								

**Class I watercourse (Fish bearing):**

Exclude from equipment operations (except on existing roads) and remove one thousand hour and smaller sized dead fuels ( $\leq$  5 inches in diameter).

**Class II watercourse (Aquatic habitat for non-fish aquatic species):**

No treatment of overstory and the treatment of understory will not reduce vegetative cover below 50%. One thousand-hour and smaller sized dead fuels ( $\leq$  5 inches in diameter) will be removed. Ground based equipment will not operate within the zone except on existing roads. Prune residual trees.

**Class III watercourse (No aquatic life present):**

Brush field prescription will be implemented but no ground-based equipment will operate within exclusion zones except on existing roads.